

I am IN FAVOR of RM-11306. The HF amateur bands need to accommodate the growing use of digital modes, especially those which need up to 3.5 kHz of bandwidth, such as pactor 3. Use of such modes are critical to the mission of supplying emergency communications to the public and served agencies.

Following is a suggested approach to allocating each High Frequency band in a manner which will both “protect” spectrum for existing users and “expand” spectrum for newer modes and types of services.

Divide the Band into three segments. Each segment would be assigned not to particular modes, bandwidth, or license class; but by “type of use”.

Segment A: Users who usually use specific frequencies, such as Nets, Winlink 2000 users, National Traffic System Digital Hubs, Beacons, etc. All modes, which would be allowed on this band, would be allowed in this segment. Maximum bandwidth of modes would be less than 4 kHz.

Segment B: “Special Event” users and competitive users, such as those participating in “contests” or “DX chasing”. All modes, which would be allowed on this band, would be allowed in this segment. Maximum bandwidth of modes would be less than 4 kHz.

Segment C: Users who do not meet the criteria of Segment A or Segment B. These could be classified as “general users”. All modes, which would be allowed on this band, would be allowed in this segment. Maximum bandwidth of modes would be less than 6 kHz.

Most of the “interference” conflicts presently experienced are caused by the three above described “users” being forced to exist in the same part of a HF band. These conflicts would be greatly reduced if they each had their own “segment” of the HF band. It would work best if Segment A and Segment B were on opposite ends of each band.

The size of each segment on each band would be evaluated periodically by the Commission.

The users of “older technology”, such as CW and AM, could peacefully co-exist with “newer technologies”, given today’s receiver designs. As the actual use of “older technology” declines, band allocations for those particular modes would not have to be changed.

The number of license classes would need to be reduced; such that all licensed users of a particular band would be allowed to use each of the segments described above.

Submitted by:

Donald L Felgenhauer

Amateur Extra Class (K7BFL)

April 14, 2007

ARRL Section Traffic Manager, Eastern Washington

Licensed since 1957